

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002262**Date Inspected:** 30-May-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested on the North Tower, Lift 1-External Finish coat application inspection, vide request no. T 529 at Painting shop 1. This Caltrans inspector observed, ABF inspectors Mr. Turtle and Mr. Vince performing said inspection check. It was observed that, these external surfaces were rejected by ABF Inspectors for Mudcrack, Sagging and Excess spray in some of the areas. The ambient conditions were monitored and is 5.6 deg. above dew point and the relative humidity found to be 61.8% which is acceptable as per contract documents. The External surfaces again offered for inspection vide notification no. T-533, and the same found again rejected by ABF inspectors for some of the local touch up points have not been attended. International protective coatings technical service representative was found present during the course of this inspection process. Photograph showing ABF inspectors doing inspection is attached with this report.
2. An inspection was requested for the North Tower base plate external side MEK, Pencil hardness test vide notification no. T 532. This Caltrans inspector observed, ABF inspectors Mr. Turtle and Mr. Vince performing said inspection check carried out by ZPMC QC inspectors. This test was carried out in 1 place and the result found to be in the Grade 5, which is acceptable as per contract documents. International protective coatings technical service representative was not found present during the course of this inspection process. (Photograph attached)

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3. An inspection was requested for the West Tower internal surface from the shaft end to 47.6 mtr. D.D to 43 mtr. D.D to 38 mtr. D.D, vide notification no. T 528. This Caltrans inspector observed, ABF inspectors Mr. Shi stone, Mr.Turtle and Mr. Vince performing said inspection check . These surfaces found rejected by ABF inspectors as Holidays and low DFT found in some of the areas. International protective coatings technical service representative was not found present during the course of this inspection process.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

North Shaft, Lift 1- Bottom plate MEK Test



North shaft, Lift 1 -Finish coat inspection at Painting shop 1



Summary of Conversations:

No Relevant Conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Micheal Ng (15921845703), who represents the Office of Structural Materials for your project.

Inspected By:	Baskar,Govindarajan	Quality Assurance Inspector
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Reviewed By:	Clifford,William	QA Reviewer
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